The Role of the Private Sector in Achieving Food Security

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Classification: PUBLIC

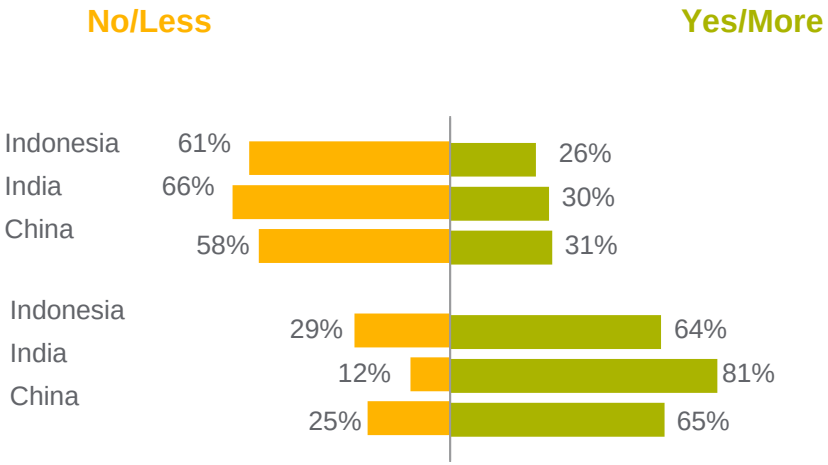
Are we having the right conversations about food security?

The Agricultural Disconnect – Responsibility and Technology

Responsibility: now vs. the future

Is farming today performed in a responsible way?

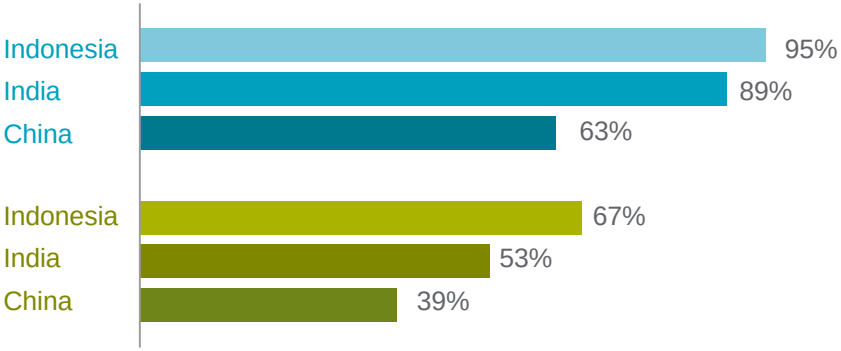
As productivity increases will it be more or less sustainable?



Support for the use of technology

Should the latest technologies in farming be used to meet the growing need for food?

Do you support the use of pesticides, fertilizers, GMOs, etc?



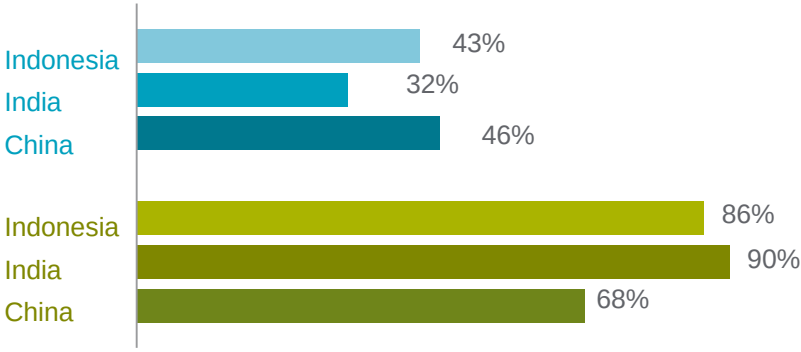
Source: Edelman Berland

The Agricultural Disconnect – Sustainability and Scale

What type of farming should be prioritized?

Large-scale farming has the greatest potential to meet increasing demand

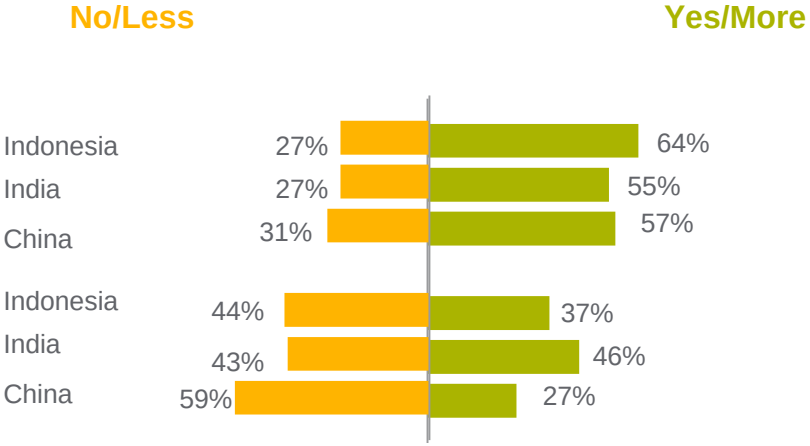
Priority should be given to organic, local and urban farming practices



Use of natural resources

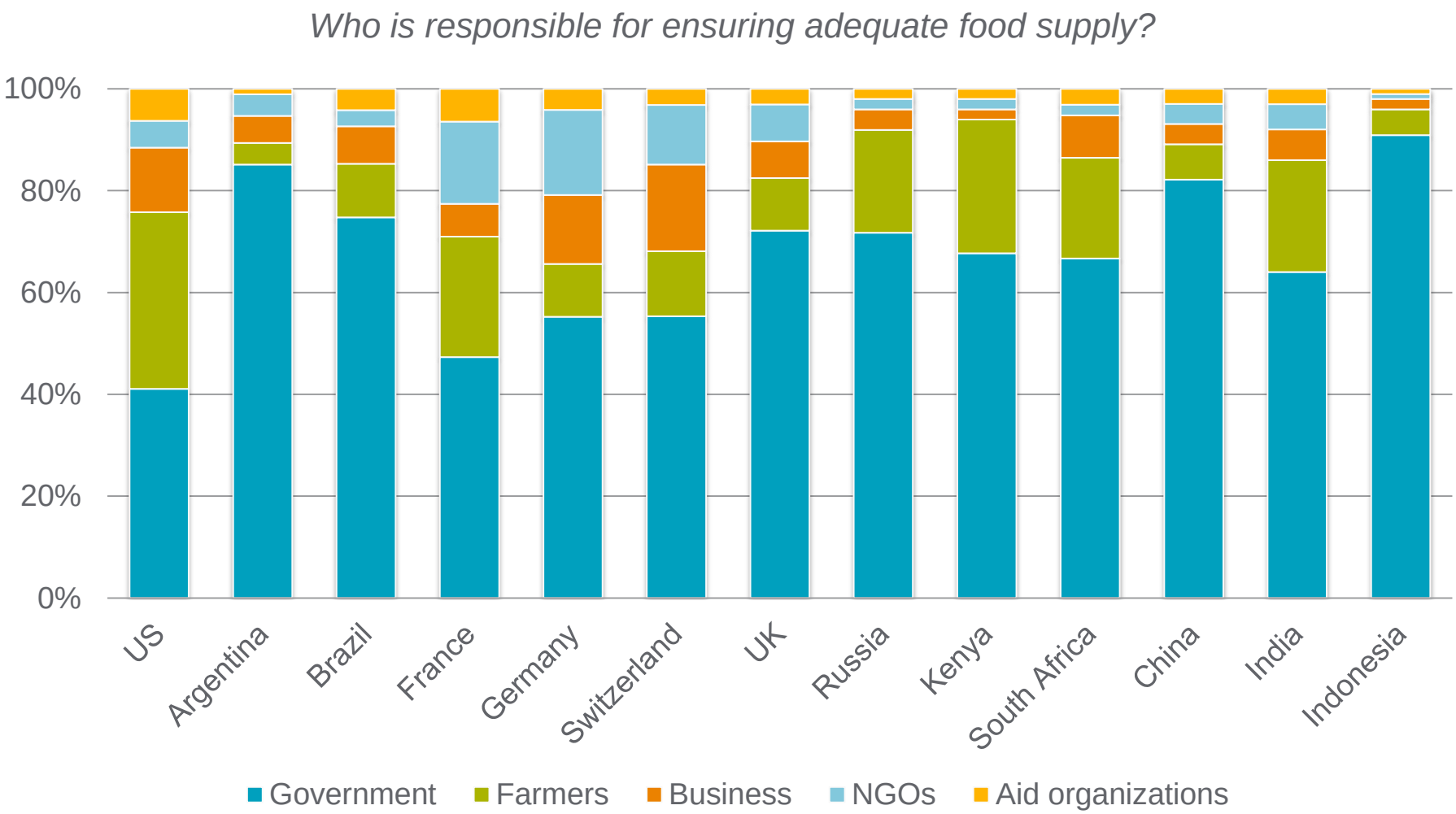
Should more land be used for farming to increase productivity and supply?

Should we clear more natural habitat?



Source: Edelman Berland

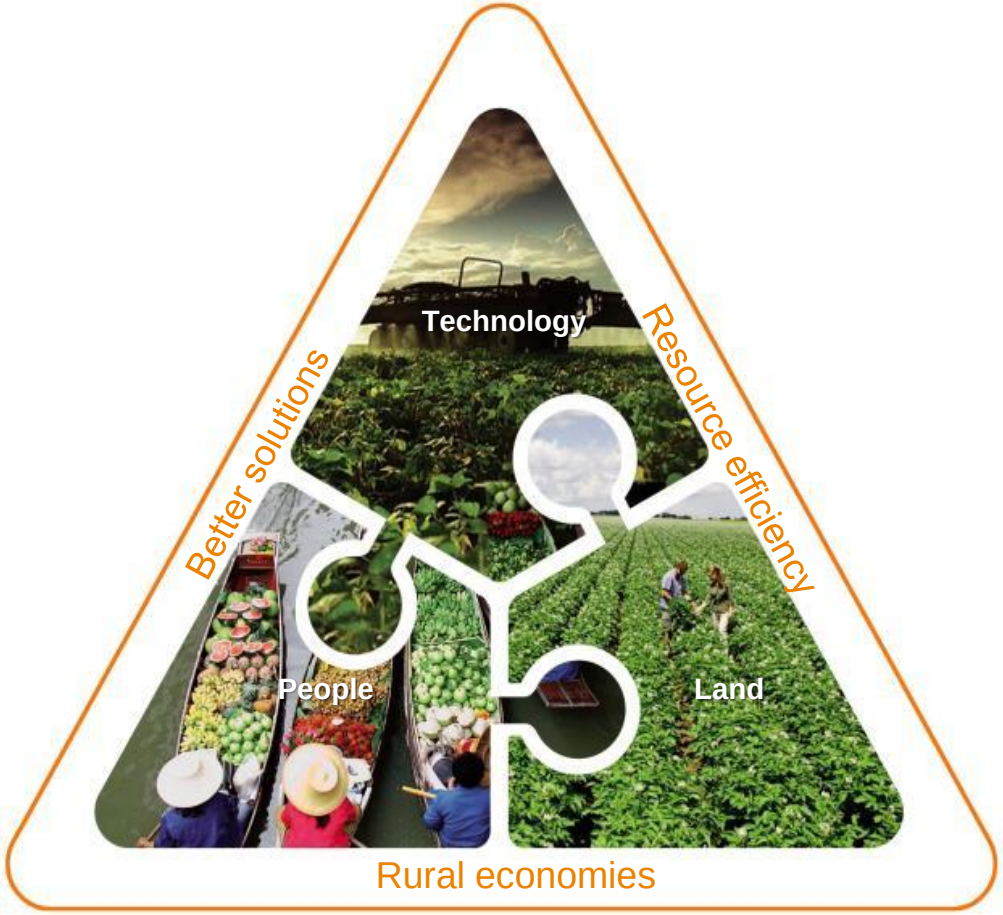
The agricultural disconnect – who has responsibility?



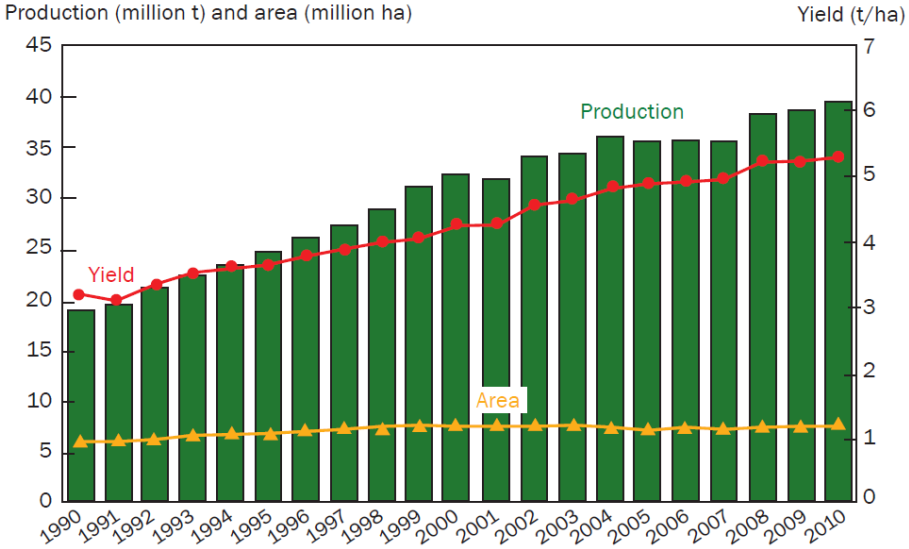
Source: Edelman Berland

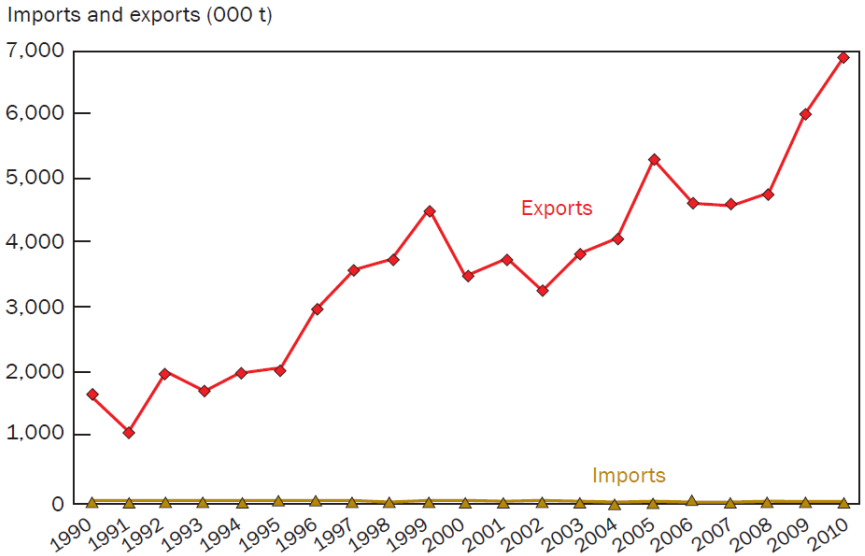
Classification: INTERNAL USE ONLY

The role of the Private Sector: Land, People and Technology



A Case in Point: Vietnam





Mr Joson – A 35% improvement in income on 3ha of land

	Before	After
Products	Mix of hybrids, Armure, Cartap, Lambda, Cyper	NK 5017, Armure, Cruiser, Virtako
Farm size (ha)	3.0	3.0
Input costs (USD/ha)	847	915
Yield (t/ha)	7.9	10.1
Income (USD/Ha)	2,243	3,050
RoI	**62%**	**70%**

Mr Yadav – shorter duration hybrids yield 8t/ha while reducing water costs

"I use Syngenta hybrids because I get **good yields with less irrigation**. Every irrigation less saves me around **a thousand rupees**"

-Jannu Yadav

Good quality genetics

Better agronomy

Sustainable practices and fits the crop cycle

Better yields with low resource utilization

syngenta

Pak Wanda – MaxVeg delivers RoI of $7 for each extra $1 spent

	Before	After
Population (plants)	10,000	10,000
Farm Size (ha)	0.5	0.5
Input Costs (USD)	5,430	5,611
Yield (kg)	4,330	7,872
Price/kg (USD)	1.81	1.81
Income (USD)	7,837	14,248
RoI	**44%**	**154%**

The Good Growth Plan

More food
Less waste

Make crops more efficient

Increase average productivity of the world's major crops by 20% without using more land, water or inputs

More biodiversity
Less degradation

Rescue more farmland

Improve the fertility of 10 million hectares of farmland on the brink of degradation

Help biodiversity flourish

Enhance biodiversity on 5 million hectares of farmland

More health
Less poverty

Empower smallholders

Reach 20 million smallholders and enable them to increase productivity by 50%

Help people stay safe

Train 20 million farm workers on labor safety, especially in developing countries

Look after every worker

Strive for fair labor conditions throughout our entire supply chain network

One planet. Six commitments.

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Collaboration is key

PISAgro

RICE BOWL INDEX

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